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10/546,002	08/18/2005	Masaya Naoi	276756US2PCT	8654
22850 ORLON SPIV	7590 08/28/2007 YAK MCCI FILAND M	IAIER & NEUSTADT, P.C.	EXAMINER	
1940 DUKE S	REET		ABRAMS, NEIL	
ALEXANDRI	A, VA 22314		ART UNIT	PAPER NUMBER
			2839	
			NOTIFICATION DATE	DELIVERY MODE
			08/28/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No.	Applicant(s)	
	10/546,002	NAOI	
Office Action Summary	Examiner	Art Unit	
	Neil Abrams	2839	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with th	e correspondence address	•
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period was pailing to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICAT 36(a). In no event, however, may a reply b rill apply and will expire SIX (6) MONTHS for cause the application to become ABANDO	ON. the timely filed tom the mailing date of this communical tom (35 U.S.C. § 133).	·
Status			
Responsive to communication(s) filed on	action is non-final. nce except for formal matters,		is
Disposition of Claims			
4) Claim(s) H		pending in the application.	
6)⊠ Claim(s)		are rejected.	
Application Papers			
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the Replacement drawing sheet(s) including the correct and the correct of the control of the co	epted or b) objected to by the drawing(s) be held in abeyance. ion is required if the drawing(s) is	See 37 CFR 1.85(a). objected to. See 37 CFR 1.12	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority documents application from the International Bureau * See the attached detailed Office action for a list.	s have been received. s have been received in Applic ity documents have been rece ı (PCT Rule 17.2(a)).	eation No vived in this National Stage	
Attachment(s)			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summ Paper No(s)/Ma 5) Notice of Inform 6) Other:		

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DETAILED ACTION

Title, words 12-13 should be deleted. Drawings objected to, in fig such as fig 4, T1, T2 should be added.

- 1. Claims 4-5 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
- 2. Claim 4, lines 1-3 are unclear and how they read on disclosed device is not understood.
- 3. Kokubo patent, note effective date 8-22-2002 as published document.
- 4. Claims 1-14 are rejected under 35 U.S.C. 102(a) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Kokubo.
- 5. Kokubo (coasigned with this application) is seen to admittedly disclose all claims 1-14 limitations, see figures 4, 11-13 except the "T2/T11 is at least 0.9" feature.
- 6. As first basis of rejection Kokubo is seen to anticipated the claims under 35 USC 102 since in figure 4, as shown in functional part 20 conductive parts at leadline 22 are adjacent to "same thickness" insulative parts at leadline 24, therefore the insulative part could be said to have a "thickness equal to that of the conductive part" hence to meet the "T2/T1/ 0.9" limitation. As applied above the insulative part is read as having two thickness, one at 23 and one at leadline 24 the latter being adequate for claim language.
- 7. Dependent claims feature also met by Kokubo. As examples for claims 6, 8, note Kokubo, fig 13, pcb 30 and insulating sheet 40. For claim 4, lines 4-7, note wafer 6 to

be tested; wafer dimensions since not part of connector cannot be relied upon for patentability.

8. As alternative for all claims, should any feature became at issue such as claim 4 , S1/S2 ratio or claim 5, coefficient, these may be deemed obvious variations of Kokubo under 35 USC 103.

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- Claims 1-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over 9. Kokubo in view of Naoi'422.
- 10. Kokubo shows claims 1-14 recited features, see figures 4, 11-13 but for this rejection, is assumed to lack the claims 1, 2, T2/T1 ratio. Kokubo prior art figure 20 and Naoi figure 2 at 8 show connector film that include such ratio. Obvious to use that type film in Kokubo figure 13 device to simplify the film molding process. While above seems adequate for claims 1-14 should other matters become at issue they are deemed obvious variations of Kokubo, as modified above.
- 11. Claims 1-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Naoi'442.
- 12. For claims 1-5, Naoi figure 3 shows a connector device 30 with conductive film to be formed at holes 31, the film as shown in figure 2 meeting the T2/T1 ratio of claims 1,
- 2. Other features recited in claims 1-5 seem to be met by such connector or to be obvious variations that do not appear at issue. For claims 6-14, main or only issue in this case is seen to be the T2/T1 ratio and if this is agreed to, claims 6-14 should stand or fall with claim 1.

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over Naoi'442 in view of Nakano and Burdelaise.

14. For claim 6, Naoi, figure 9 includes probe device with frame 40 and film 42, figure

Claims 6-14 and 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable

8, that appear to meet T2/T1, 0.9 limitations. In addition, figure 2 film 8 clearly meet

such limitation and is for use in figure 9 probe system. Figure 9 only uses one film.

Use of probe with plural test sheets 504 to test wafer is taught by Nakano, figure 20. It

would have been obvious to form Naoi device as such a plural test device with frame 40

having plural holes for plural films to enable larger scale testing as in Nakano. Claims

7-14 seen to relate to admittedly known features. In addition, for claim 8, obvious to use

an insulating sheet in view of Burdelaise at 96 to adapt the tester contact spacing to that

of the device or wafer tested. Claims 1-5 are includes in case issues arise as to

paragraph 11 rejection using Naoi alone. Also note for both Naoi rejections that while

use of plural films is discussed it appears that the primary inventive concept in this case

is asserted to be the T2/T1 ratio and of this is true whether one or plural films is taught

in references should not be at issue.

15. Applicant in response is asked to point out claims that are not at issue, stand

or fall with decision a to claims 1,2.

Any inquiry concerning this communication should be directed to Neil Abrams at

telephone number 571-272-2089

PRIMARY FXAMINER

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